



**Department of Energy**  
Richland Operations Office  
P.O. Box 550  
Richland, Washington 99352

00-PRO-418

APR 24 2000

Mr. R. D. Hanson, President  
Fluor Hanford, Inc.  
Richland, Washington 99352

Dear Mr. Hanson:

CONTRACT NO. DE-AC06-96RL13200 - EXECUTION OF CONTRACT MODIFICATION  
M105

Enclosed for your files is one fully executed original of contract modification M105,  
including one duplicate original of Fiscal Year 2000 Performance Incentives FDH-RC-1,  
Facilities and Systems Operational for SNF Movement, FDH-CP-3, Retrieve and Ship TRU  
Offsite, and FH-RC-4, Accelerate Readiness to Receive K Basin Sludge. If you have any  
questions regarding this matter, please contact me at (509) 376-8948.

Sincerely,

*Sally A. Sieracki*  
Sally A. Sieracki  
Contracting Officer

PRO:GFC

Enclosures

cc w/encls:  
J. L. Jacobsen, FHI

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE		PAGE OF PAGES 1 13		
2. AMENDMENT/MODIFICATION NO. M105		3. EFF. DATE 04-24-00		4. REQUISITION/PURCHASE REQ.		5. PROJECT NO. (If applicable)	
6. ISSUED BY U.S. Department of Energy Richland Operations Office 825 Jadwin Avenue MSIN A7-80 Richland WA 99352				7. ADMINISTERED BY (If other than item 6) CODE			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State & ZIP Code) Fluor Hanford, Inc.  2420 Stevens Drive P.O. Box 1000 Richland WA 99352				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				10A. MODIFICATION OF CONTRACT/ORDER NO. X DE-AC06-S6RL132C0			
CODE 12345678		FACILITY CODE		10B. DATED (SEE ITEM 13)		08/26/1996	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:

(a) By completing Items 8 and 10, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.  
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.	
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (Such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b).	
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Clause H.41: Performance Objectives, Measures, Expectations
D. OTHER (Specify type of modification and authority)	

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 2 copies to issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UIC section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to revise two existing Fiscal Year (FY) 2000 Performance Incentives (PIs) and add one new FY 2000 PI, and incorporate the changes into Part III, Section J, Appendix D of the contract.

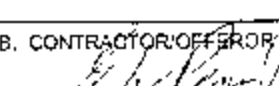
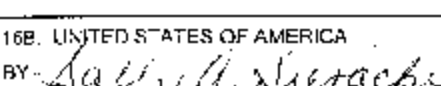
The revised PIs are:

- FDH-RC-1, Facilities and Systems Operational for SNT Movement
- FDH-CP-3, Retrieve and Ship TRU Offsite.

The new PI is:

FDH-RC-4, Accelerate Readiness to Receive K Basin Sludge.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Ron D. Hanson, President and Chief Executive Officer		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Sally A. Sieracki, Contracting Officer	
15B. CONTRACTOR/OFFICER  (Signature of person authorized to sign)		16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	
15C. DATE SIGNED 4/10/00		16C. DATE SIGNED 8/4/00	

**FY 2000 PERFORMANCE INCENTIVE: Move K-Basin SNF and Sludge****SECTION 1  
GENERAL INFORMATION****DUPLICATE  
ORIGINAL**

Performance Incentive Number: FH-RC-1  
 Performance Incentive Short Title: Facilities and Systems Operational for SNF Movement  
 Revision Number & Date: Rev. 1,04/07/00  
 Maximum Available Incentive Fee: 26.1% of (available fee in Contract Clause B.4 minus \$3M Comprehensive Fee)  
 Performance Incentive Type: ☒ Regular ☐ Stretch ☐ Superstretch  
*(check appropriate box)*

**SECTION 2  
PERFORMANCE OUTCOMES***Check appropriate box:*

- ☒ Outcome #1: Restore the River Corridor for multiple uses  
☐ Outcome #2: Transition Central Plateau to support long-term waste management  
☐ Outcome #3: Put DOE Assets to work for the future

**SECTION 3  
PERFORMANCE OBJECTIVE (S), MEASURES AND EXPECTATION (S)**

*List associated performance objectives, measures, and performance expectations. Identify associated PBS # for each performance objective and/or measures as appropriate*

**Performance Objective:** Move K-Basin SNF and Sludge

PBS RL - WM/01

**Measure 1 -** Amount of fuel removed

Facilities and Systems needed to move SNF from K-Basins to the Canister Storage Building (CSB) are operational as documented in the Contractor's Declaration of Readiness by September 14, 2000

**Expectation(s)****Regular**

FY00

a. Declaration of Readiness includes the following

- Construction and Operational Testing for all subprojects required for Fuel Movement, i.e., CVDF, CSB, CTS, IWTS, FRS, K Basin Crane Modification, availability of MCOs and baskets.
- Management Self-Assessment per established criteria and Contractor declaration of readiness issued.
- Contractor Independent ORR.

b. Complete Phased Start-up Initiative (PSI) Phases I and II by April 15, 2000. This includes successful Cold Testing of IWTS & FRS.

**FY 2000 PERFORMANCE INCENTIVE: Move K-Basin SNF and Sludge**

Measure 2 - Amount of SNF stabilized MCOs/(MTHM)

**DUPLICATE  
ORIGINAL**

<u>Expectations</u>	<u>Regular</u>	<u>Stretch</u>
FY00	0/(0)	None
FY01	51/(-268)*	TBD
FY02	126/(-662)	TBD
FY03	119 /(-624)	TBD
FY04	104/(-546)	TBD

\*Start of Fuel Movement— Removal of 1<sup>st</sup> MCO from K West Basin to CVDF by 11/30/00

Note: Accelerated Fuel Movement is incentivized in associated FY 2000 superstretch (PHMC-RC-155)

Note: Fiscal year 01 thru 04 are provided for future planning purposes only. No fee is assigned to these items in FY00.

**SECTION 4  
FEE SCHEDULE**

Identify fee schedule by performance objective and/or measure(s)

Regular = 100% of the fee available for this Performance Incentive

Measure 1.

- 70% of the fee available for this Performance Incentive can be earned if the Readiness to Relocate Fuel is declared by September 14, 2000. If Readiness to Relocate Fuel is declared after September 14, 2000, the total fee award available for this incentive (1.a.i) will be reduced at a rate of 2 1/3% per day until October 13, 2000. If Readiness to Relocate Fuel is declared after October 13, 2000 no fee will be awarded for this item.
- 30% of the fee available for this Performance Incentive

Measure 2. None for FY00

**SECTION 5  
PERFORMANCE REQUIREMENTS**

**PREVIOUS YEAR'S GATEWAY** Describe previous year's gateway (if applicable) that must be completed before fee can be paid under this performance measure. The requirements listed below are the gateway only requirements for this Performance Measure. Reference Contract Clause II.60 – Spent Nuclear Fuels Contingent Fee.

**GENERAL REQUIREMENTS:** In order to earn incentive fee under this Performance Incentive, the Contractor shall:

- Meet the specific completion criteria and expectations set forth in this Performance Incentive; and
- Not incur any unfavorable cost variance [(BCWP-ACWP)/BCWP] greater than 5.0 percent, or incur any unfavorable schedule variance [(BCWP-BCWS)/BCWS] greater than 7.5 percent, measured at the Project Baseline Summary level at the end of FY 2000.

**DEFINE COMPLETION:** (Specify Performance Elements and describe indicators of success (quality/progress) Include baseline documentation/data against which completion documentation should be compared).

**Regular**

Measure 1.

- Equipment Operational and Operators Trained; Readiness Declared Completed: The contractor shall certify by correspondence to DOE that the facility is ready to startup or restart and that this has been verified by the contractor Operational Readiness Review. The correspondence shall include a final report that meets all the requirements of DOE O 425.1, Contractor Requirements Document section 2.b (8) & (9). Satisfactory completion is verified by DOE in accordance with DOE 425.1, Requirements section, paragraph 4.b (7) & (8).

**FY 2000 PERFORMANCE INCENTIVE: Move K-Basin SNF and Sludge****DUPLICATE  
ORIGINAL**

- Management Self-Assessment (Start Up Execution Plan & The Start Up Plan of Action) against established MSA criteria completed, as defined in HNF PRO-055, Rev 1, and Contractor declaration of readiness issued. This criteria includes:
    - Complete Construction and Operational Testing for all subprojects required for Fuel Movement, (i.e. CVDF, CSB, CTS, FRS, IWTS, K Basin Crane Modification), availability of MCO added baskets
    - Approved Authorization Basis - K Basins, CSB, CVDF, and CTS (Shipping Cask)
    - Contractor approved Procedures - K Basins, CSB, CVDF, and CTS
    - Approved Authorization Agreement
    - Required Personnel qualified/certified - KW Basin, CVDF, CSB, and CTS (e.g. operators, ITPs, shift supervisors, drivers, etc.)
  - Contractor Independent ORR performed and completed according to Contractor procedures.
- b. Phased Start-up Initiative includes the following testing activities as defined in the FHI letter serial number FDH-9957198, of September 30, 1999, attachment - baseline change request SNF 999-085, Phase Start-up Initiative:
- Complete integrated system testing of IWTS/FRS using dummy fuel (Phases 1 and 2).
  - Complete Cold Testing of IWTS and FRS.

**DEFINITIONS: (define terms)**

CSB	Canister Storage Building
CTS	Cask Transport System
CVDF	Cold Vacuum Drying Facility
Dummy fuel	Unirradiated, simulated fuel elements
FRS	Fuel Retrieval System
HPT	Health Physics Technician
IWTS	Integrated Water Treatment System
KB	K-East Basin
MCO	Multi Canister Overpack
MSA	Management Self Assessment
MYHM	Metric Tons of Heavy Metal
MYWP	Multi-Year Work Plan
ORR	Operational Readiness Review
PSI	Phased Startup Initiative.

**COMPLETION DOCUMENTS LIST:** *(In addition to the Completion Notice the document(s) that should be submitted/data that should be available/actions to be taken by evaluator, to determine actual performance to the requirements stated above).*

- Measure 1. Facilities and Systems needed to move SNF from K-Basins to the Canister Storage Building (CSB) are Operational as documented in the Contractor's Declaration of Readiness by September 14, 2000.
- a. Readiness Declared Completion: Submit Final Report per DOE O 425.1, Contractor Requirements Document section 2.b (8) & (9) and certification letter per DOE 425.1, Contractor Requirements Document section 2.b (7).

**FY 2000 PERFORMANCE INCENTIVE: Move K-Basin SNF and Sludge**


- b. Phased Startup Initiative: Contractor shall submit completion letter verifying that the activities specified in Section 5, #11 have been completed.

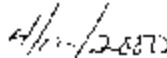
DUPLICATE  
ORIGINAL

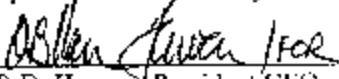
**ASSUMPTIONS/TECHNICAL BOUNDARY CONDITIONS AND REMEDY STATED:** *(For reasonably foreseeable impacts to performance which are not covered under the Contract. If the assumption or condition proves false the remedy shall be in effect. If remedy is not possible the next step is renegotiation).*

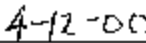
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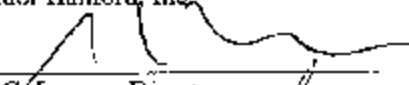
**SECTION 6  
SIGNATURES**

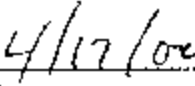
  
R.G. Jones, Vice President  
Spent Nuclear Fuel Project

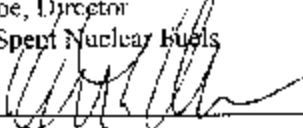
  
Date 4/11/2000

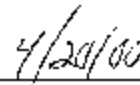
  
R.D. Hanson, President/CEO  
Fluor Hanford, Inc.

  
Date 4-12-00

  
P.G. Loscoe, Director  
Office of Spent Nuclear Fuels

  
Date 4/17/00

  
K.A. Klein, Manager  
Richland Operations Office

  
Date 4/20/00

**FY 2000 PERFORMANCE INCENTIVE: Retrieve and Ship TRU Offsite****SECTION 1  
GENERAL INFORMATION****DUPLICATE  
ORIGINAL**

Performance Incentive Number: **FDH-CP-3**  
 Performance Incentive Short Title: **Retrieve and Ship TRU Offsite**  
 Revision Number & Date: **Rev. 1, 4/7/00**  
 Maximum Available Incentive Fee: **14% of (available fee in Contract Clause B.4 minus \$3M)**  
 Performance Incentive Type: ☒ Regular ☒ Stretch ☐ Superstretch  
*(check appropriate box)*

**SECTION 2  
PERFORMANCE OUTCOMES***Check appropriate box:*

- ☐ Outcome #1: Restore the River Corridor for multiple uses  
☒ Outcome #2: Transition Central Plateau to support long-term waste management  
☐ Outcome #3: Put DOE Assets to work for the future

**SECTION 3  
PERFORMANCE OBJECTIVE (S), MEASURES AND EXPECTATION (S)**

*List associated performance objectives, measures, and performance expectations for FY00, FY01 & FY02. Identify associated PBS # for each performance objective and/or measures as appropriate.*

**Performance Objective:** Retrieve and Ship TRU Offsite

PBS RL WM04

Measure 1 - # of drums retrieved

<u>Expectation(s)</u>	<u>Regular</u>	<u>Stretch</u>
FY00	unfunded	at least 425
FY01	unfunded	N/A
FY02	unfunded	N/A
FY03 to completion	35,416	N/A

Measure 2 - # of shipments to Waste Isolation Pilot Plant (WIPP)

2.a. Complete draft TRU PMP (Support IAW TPA Milestone M-91-03)

<u>Expectation(s)</u>	<u>Regular</u>	<u>Stretch</u>
FY00	unfunded	6/30/00

2.b. Effective # of TRU waste containers processed

<u>Expectation(s)</u>	<u>Regular</u>	<u>Stretch</u>
FY00	500	N/A
FY01	TBD	N/A
FY02	TBD	N/A
FY03 to completion	77,091	N/A

**FY 2000 PERFORMANCE INCENTIVE: Retrieve and Ship TRU Offsite**

2.e. # of shipments to WIPP

**DUPLICATE  
ORIGINAL**

<u>Expectation(s)</u>	<u>Regular</u>	<u>Stretch</u>
FY00	at least 8	N/A
FY01	at least 12	N/A
FY02	at least 12	N/A
FY03 to completion	1,894	N/A

**SECTION 4  
FEE SCHEDULE***Identify fee schedule by performance objective and/or measure(s)***Stretch** = 30% of the fee available for this Performance Incentive

Measure 1 - 20% of the fee available for this Performance Incentive

Measure 2 -

**Expectation 2.a** - 10% of the fee available for this Performance Incentive**Regular** = 70% of the fee available for this Performance Incentive

Measure 2 -

**Expectation 2.b** - 17.5% of the fee available for this Performance Incentive for at least 400 "effective" containers or 35% of the fee available for this Performance Incentive for at least 500 "effective" containers**Expectation 2.c** - 17.5% of the fee available for this Performance Incentive for at least 6 shipments or 35% of the fee available for this Performance Incentive for at least 8 shipments

Note: Fiscal Year 01 to completion is provided for future planning purposes only. No fee is assigned to these items in FY00.

**SECTION 5  
PERFORMANCE REQUIREMENTS****PREVIOUS YEAR'S GATEWAY** *Describe previous year's gateway (if applicable) that must be completed before fee can be paid under this performance measure. The requirements listed below are the gateway only requirements for this Performance Measure.**(N/A in FY 2000)***GENERAL REQUIREMENTS:** In order to earn incentive fee under this Performance Incentive, the Contractor shall:  
1. meet the specific completion criteria and expectations set forth in this Performance incentive; and  
2. not incur any unfavorable cost variance  $[(BCWP-ACWP)/BCWP]$  greater than 5.0 percent, or incur any unfavorable schedule variance  $[(BCWP-BCWS)/BCWS]$  greater than 7.5 percent, measured at the Project Baseline Summary level at the end of FY 2000.**DEFINE COMPLETION:** *(Specify Performance Elements and describe indicators of success (quality/progress). Include baseline documentation/data against which completion documentation should be compared).*

Measure 1 - In support of TPA Milestones M-91-04/07, the contractor shall complete the retrieval of a minimum of 425 suspect-TRU drums in the Low-Level Burial Grounds by September 30, 2000. The drums do not have to be removed from the Low Level Burial Grounds to meet this completion criterion.



**FY 2000 PERFORMANCE INCENTIVE: Retrieve and Ship TRU Offsite****DUPLICATE  
ORIGINAL****Measure 2**

**Expectation 2.a** - To support meeting the requirements of TPA Milestone M-91-03, the contractor shall complete a draft final Hanford Site TRU/TRUM Project Management Plan (PMP) and transmit to RL by May 22, 2000. The PMP shall be prepared in accordance with the requirements of TPA Action Plan Section 11.5.

**Expectation 2.b** - The Contractor shall complete processing a minimum of 500 "effective" TRU waste containers by September 30, 2000.

**Expectation 2.c** - The Contractor shall complete a minimum of eight TRU shipments to WIPP by September 30, 2000.

**DEFINITIONS: (define terms)**

LLW - Low Level Waste

TRU - Transuranic Waste

TRUM - Transuranic Mixed Waste

TRUPACT-II - Shipping Container

**Measure 1** - Retrieval shall consist of removing the drums from the stack and making a waste designation as to TRU or LLW, either by assaying the drums or through a RL-approved alternate methodology. Retrieval as used in this Performance Incentive does not include removal of the drums from the Low Level Burial Grounds.

**Measure 2 -**

**Expectation 2.a** - None

**Expectation 2.b -**

1. TRU waste container processing is defined as containers processed in accordance with the Hanford Site Quality Assurance Project Plan (QAPP) and the Hanford Site TRU Waste Certification Plan (Cert. Plan).
2. Processing one "effective" TRU waste container is defined as completing Non Destructive Examination (NDE), Non Destructive Assay (NDA), and Headspace Gas Analysis activities. Completion of any one activity equals 0.33 "effective" TRU waste containers processed. (This allows for processing efficiency based upon project needs for certification and shipment of TRU containers.)

**Expectation 2.c** - A shipment is defined as a Contractor certified payload of TRU waste containers leaving the Hanford Site utilizing the TRUPACT-II shipping containers.

**COMPLETION DOCUMENTS LIST:** (In addition to the Completion Notice the document(s) that should be submitted/data that should be available/actions to be taken by evaluator, to determine actual performance to the requirements stated above).

**Measure 1** - The contractor shall submit a letter report to RL by October 20, 2000, documenting the number of drums retrieved by their associated package identification number (PIN) and the waste designation (LLW or TRU) of the drums.

**Measure 2 -**

**Expectation 2.a** - The contractor shall submit to RL, by May 22, 2000, a final draft of the TRU/TRUM PMP in accordance with the requirements in TPA Action Plan Section 11.5.

**FY 2000 PERFORMANCE INCENTIVE: Retrieve and Ship TRU Offsite****DUPLICATE ORIGINAL**

**Expectation 2.b** - The contractor shall provide a letter report to RL by October 20, 2000, documenting the quantity of "effective" TRU waste containers processed by Container Identification Number (CIN) and each associated process activity completed during FY 2000.

**Expectation 2.c** - The contractor shall submit a letter report to RL by October 20, 2000, documenting the number of shipments completed.

**ASSUMPTIONS/TECHNICAL BOUNDARY CONDITIONS AND REMEDY STATED:** *(For reasonably foreseeable impacts to performance, which are not covered under the Contract. If the assumption or condition proves false the remedy shall be in effect. If remedy is not possible the next step is renegotiation).*

Measure 1 None

Measure 2 -

**Expectation 2.a** - None

**Expectation 2.b** - Processing is completed in accordance with existing project requirements. If additional unforeseen Carlsbad Area Office (CAO) or regulatory agency characterization/certification requirements are needed, the completion criteria will be reassessed and the program will be re-baselined per RL direction.

**Expectation 2.c** -

1. EPA and New Mexico Environmental Division support shipments without additional shipment requirements.
2. CAO/WIPP support shipments as scheduled (certification and resources available).
3. If shipments are delayed as a result of circumstances outside the control of the Contractor, the completion criteria will be reassessed and the program will be re-baselined per RL direction.

**SECTION 6  
SIGNATURES**

*[Signature]*  
E.S. Aroni, Project Director  
Waste Management Project

*4/13/00*  
Date

*[Signature]*  
R.D. Hanson, President/CEO  
Fluor Hanford, Inc.

*4/13/00*  
Date

*[Signature]*  
H.E. Bilson, Assistant Manager  
Environmental Restoration and Waste Management

*4/13/00*  
Date

*[Signature]*  
K.A. Klein, Manager  
Richland Operations Office

*4/13/00*  
Date

**FY 2000 PERFORMANCE INCENTIVE: Accelerate Readiness To Receive K Basin Sludge****SECTION 1  
GENERAL INFORMATION****DUPLICATE  
ORIGINAL**

Performance Incentive Number: FH-RC-4  
 Performance Incentive Short Title: **Accelerate Readiness To Receive K Basin Sludge**  
 Revision Number & Date: Rev. 0, 4/7/00  
 Maximum Available Incentive Fee: 2.9 % of (available fee in Contract Clause B.4 minus \$3M)  
 Performance Incentive Type: ☐ Regular ☒ Stretch ☐ Superstretch  
 (check appropriate box)

**SECTION 2  
PERFORMANCE OUTCOMES**

Check appropriate box:

- ☒ Outcome #1 : Restore the River Corridor for multiple uses  
☐ Outcome #2: Transition Central Plateau to support long-term waste management  
☐ Outcome #3: Put DOE Assets to work for the future

**SECTION 3  
PERFORMANCE OBJECTIVE (S), MEASURES AND EXPECTATION (S)**

List associated performance objectives, measures, and performance expectations for FY00, FY01 & FY02. Identify associated PBS # for each performance objective and/or measures as appropriate

**Performance Objective:** Move K-Basin SNF and Sludge

PBS RL - WM04

**Measure 1 - Amount of Sludge Removed**

Expectation 1: Clear T Plant (221-T Bldg.) Canyon Deck to support K-Basin Sludge Removal:

<u>Expectation(s)</u>	<u>Regular</u>	<u>Stretch</u>
FY 00	unfunded	Clear Sections 17, 18, & 19 of T-Plant Canyon Deck
FY 01	unfunded	Clear at Least Two Additional Deck Sections

Expectation 2: Remove two PUREX Separation Towers from the Canyon Deck to support K-Basin Sludge Removal:

<u>Expectation(s)</u>	<u>Regular</u>	<u>Stretch</u>
FY 00	unfunded	Identify, Characterize, Process, and Remove two PUREX Separation Towers from the T Plant Canyon
FY 01	unfunded	Identify, Characterize, Process, and Remove two Remaining PUREX Separation Towers from the T Plant Canyon

**FY 2000 PERFORMANCE INCENTIVE: Accelerate Readiness To Receive K Basin Sludge****SECTION 4  
FEE SCHEDULE****DUPLICATE  
ORIGINAL***Identify fee schedule by performance objective and/or measure(s)***Regular** = 0% of the fee available for this Performance Incentive**Stretch** = 100% of the fee available for this Performance Incentive**Measure 1:****Expectation 1 -**

- ♦ 20% of the fee available for this Performance Incentive shall be earned for completing the 3 specified activities required to facilitate movement of Shippingport Fuel and clearing one deck section.
- ♦ 20% of the fee available for this Performance Incentive shall be earned for clearing one additional deck section.
- ♦ 20% of the fee available for this Performance Incentive shall be earned for clearing a third deck section

**Expectation 2 -**

- ♦ 30% of the fee available for this Performance Incentive shall be earned for removal of the first tower.
- ♦ 10% of the fee available for this Performance Incentive shall be earned for removal of the second tower.

Note: Fiscal Year 01 is provided for future planning purposes only. No fee is assigned to these items in FY00.

**SECTION 5  
PERFORMANCE REQUIREMENTS****PREVIOUS YEAR'S GATEWAY** *Describe previous year's gateway (if applicable) that must be completed before fee can be paid under this performance measure. The requirements listed below are the gateway only requirements for this Performance Measure.*

(N/A in FY 2000)

**GENERAL REQUIREMENTS:** In order to earn incentive fee under this Performance Incentive, the Contractor shall:

1. meet the specific completion criteria and expectations set forth in this Performance incentive; and
2. not incur any unfavorable cost variance [(BCWP-ACWP)/BCWP] greater than 5.0 percent, or incur any unfavorable schedule variance [(BCWP-BCWS)/BCWS] greater than 7.5 percent, measured at the Project Baseline Summary level at the end of FY 2000.

**DEFINE COMPLETION:** *(Specify Performance Elements and describe indicators of success (quality/progress). Include baseline documentation/data against which completion documentation should be compared).***Measure 1:****Expectation 1:** The contractor shall, by September 30, 2000:

- A. Clear Section 17, 18, & 19 of the T-Plant Canyon Deck, and
- B. Complete the following three activities required to facilitate movement of Shippingport Fuel:
  - 1) Project Execution Plan (PEP) according to the requirements of HNF-PRO-1999. The PEP will detail the actions and resources required to remove the Shippingport Fuel from the T-Plant Canyon ("the Project"), and integrate the T-Plant Canyon "Project" with other interfacing projects to support removal of Shippingport Fuel in FY 2002.
  - 2) Conceptual Design Document (CDD) according to the requirements of HNF-PRO-1999. The CDD will allow for definitive design and procurement to proceed on the required T-Plant Canyon "Project" tasks identified in the PEP
  - 3) Initiation of procurement on the following long lead procurement items identified in the PEP and CDD:
    - (a) Design/fabrication of remote actuated grapples to move PWR-2 fuel from the 221-F

# **FY 2000 PERFORMANCE INCENTIVE: Accelerate Readiness To Receive K Basin Sludge**

ORIGINAL

- Fuel Pool to the SNF provided MCO.
- (b) An auxiliary hoist assembly to hang from the existing 10T crane hook rated to move both PWR-2 Fuel and K Basins sludge containers.
  - (c) One dummy fuel element that matches PWR-2 fuel physical attributes.

Failure to complete the three actions identified in B. above and to clear at least one section of the canyon deck, as evidenced by the Completion Document List, will result in no fee awarded for this performance expectation, regardless of the number of sections cleared.

All waste removed from the canyon decks shall be disposed or stored in accordance with the requirements of HNF-EP-0063. Waste removed from cleared sections is not to be stored in the T Plant Canyon without written Contracting Officer Representative authority.

Expectation 2: The contractor shall, by September 30, 2000, remove two PUREX separation towers from within the T Plant Canyon.

The PUREX towers shall be processed such that they meet LLW disposal requirements and/or TRU storage requirements in accordance with HNF-EP-0063. Tower sections are not to be stored in the T Plant Canyon without written Contracting Officer Representative authority.

## **DEFINITIONS: (define terms)**

LLW - Low Level Waste  
TRU - Transuranic Waste

T Plant Canyon Deck refers to the floor level area atop the cell cover blocks within the canyon of the 221-T Building. It does not include any gallery areas. Each deck section is approximately 40 feet in length, delineated by expansion joints in the canyon vertical side walls, and extends for approximately 37 feet in width delineated by the canyon side walls. Each section is numbered according to the building section numbers located on the canyon vertical side walls. (For a typical layout, reference: HNF-SD-WM-ISR-006, *Interim Safety Basis for Solid Waste Facilities "T Plant,"* Facility Description, Figure 1-6.)

Cleared is defined as removal from the 221-T Canyon Deck of all excess material and equipment within a numbered section of the Canyon Deck. Cleared does not include storage of the waste in the canyon cells. Removal of residual radioactive contamination is not included (i.e. the area will not be decontaminated).

Shippingport Fuel is defined as the Shippingport Reactor Blanket Assembly Spent Nuclear Fuel currently stored in the Canyon Fuel pool in Cell 2R.

PUREX towers are defined as the large chemical separation towers removed from PUREX and stored on the T Plant Canyon deck. Two of the towers are expected to be characterized as LLW and two of the towers are expected to have components that will be classified as TRU.

Conceptual Design Document is defined in HNF-PRO-1999, Rev. 1 "Construction Program Conceptual Phase," Section 3.3.2.7.

Project Execution Plan is defined in HNF-PRO-1999, Rev. 1 "Construction Program Conceptual Phase," Section 3.3.2.3.

Initiation of procurement is defined as the issuance (release to the public) of a formal Request for Proposal (or Quotation), based on a properly prepared and approved Purchase Requisition per HNF-PRO-183 and HNF-PRO-123.

**FY 2000 PERFORMANCE INCENTIVE: Accelerate Readiness To Receive K Basin Sludge**

**COMPLETION DOCUMENTS LIST:** *(In addition to the Completion Notice the document(s) that should be submitted/data that should be available/actions to be taken by evaluator, to determine actual performance to the requirements stated above).*

DUPLICATE  
ORIGINAL

**Measure 1**

Expectation 1: The contractor shall submit to RL by October 20, 2000:

- A. A letter report documenting the numbered section(s) of deck space cleared and the material and equipment removed from the facility. The report will include:
  - ◆ Before and after photographs of each deck section cleared, and
  - ◆ An inventory of the material and equipment removed, with a listing of the storage or disposal facility(s) to which the inventory was transferred.
- B. The Project Execution Plan for removal of Shippingport Fuel from T Plant
- C. The Conceptual Design Document
- D. Copies of the processing documents for the initiation of long lead procurement activities

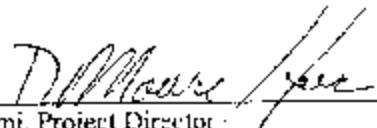
Expectation 2: The contractor shall submit a letter report to RL by October 20, 2000, documenting the number of PUREX towers processed and removed from the facility. The report will include:

- ◆ Before and after photographs of the PUREX tower, and
- ◆ An inventory of the material and equipment removed, with a listing of the storage or disposal facility(s) to which the inventory was transferred.

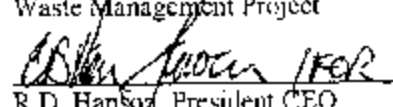
**ASSUMPTIONS/TECHNICAL BOUNDARY CONDITIONS AND REMEDY STATED:** *(For reasonably foreseeable impacts to performance, which are not covered under the Contract. If the assumption or condition proves false the remedy shall be in effect. If remedy is not possible the next step is renegotiation).*

NONE

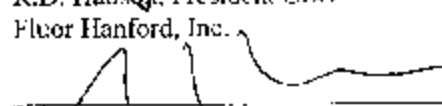
**SECTION 6  
SIGNATURES**

  
E.S. Aromi, Project Director  
Waste Management Project

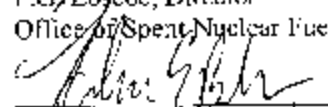
  
Date 4/13/00

  
R.D. Hanson, President CEO  
Fluor Hanford, Inc.

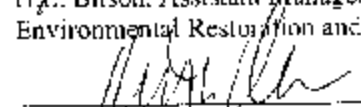
  
Date 4/13/00

  
P.G. Loscoe, Director  
Office of Spent Nuclear Fuels

  
Date 4/17/00

  
H.C. Bilson, Assistant Manager  
Environmental Restoration and Waste Management

  
Date 4/17/00

  
K.A. Klein, Manager  
Richland Operations Office

  
Date 4/20/00



**Department of Energy**  
Richland Operations Office  
P.O. Box 550  
Richland, Washington 99352

00-PRO-418

APR 24 2000

Mr. R. D. Hanson, President  
Fluor Hanford, Inc.  
Richland, Washington 99352

Dear Mr. Hanson:

CONTRACT NO. DE-AC06-96RL13200 – EXECUTION OF CONTRACT MODIFICATION  
M105

Enclosed for your files is one fully executed original of contract modification M105,  
including one duplicate original of Fiscal Year 2000 Performance Incentives FDH-RC-1,  
Facilities and Systems Operational for SNF Movement, FDH-CP-3, Retrieve and Ship TRU  
Offsite, and FH-RC-4, Accelerate Readiness to Receive K Basin Sludge. If you have any  
questions regarding this matter, please contact me at (509) 376-8948.

Sincerely,

**ORIGINAL SIGNED BY:**  
Sally A. Sieracki  
Contracting Officer

PRO:GFC

Enclosures

cc w/encls:  
J. L. Jacobsen, FHI

bcc w/encls:  
PRO Off File  
PRO Rdg File  
CCC Rdg File

Record Note:

II:\Phmc\Mods\M105\Mod M105ExecutionLtr

*Enclosure should be  
Scanned into RM913.*

*Original e-enclosure  
must be in the  
Contract*

**RECEIVED**

APR 25 2000

**DOE-RL/RLCO**

Office >	PRO	PRO				
Signature >	CHAMPLAIN	SIERACKI				
Date >	3/28/00	3/28/00				

(Please return to Rosie Gorza 6-7736 A7-80/FED FAX 6-3376)

Document No. 19361